

Name \_\_\_\_\_ Date \_\_\_\_\_ Teacher \_\_\_\_\_

## Third Grade Module 3: Mid-Module Assessment Task Score Sheet

### A Progression of Learning

A Progression of Learning is provided to describe steps that illuminate the gradually increasing understandings that students develop *on their way to proficiency*. In this chart, this progress is presented from left to right. The learning goal for each student is to move to the last step, “Evidence of solid reasoning with a correct answer”. These steps are meant to help teachers and students identify and celebrate what the student CAN do now, and what they need to work on next.

Score Key: A Progression of Learning			
Little or no evidence of reasoning with an incorrect answer.  (1 Point)	Evidence of some reasoning with an incorrect answer.  (2 Points)	Evidence of some reasoning with a correct answer or evidence of solid reasoning with an incorrect answer.  (3 Points)	Evidence of solid reasoning with a correct answer.  (4 Points)

Module 3: Mid-Module Assessment					
Domain		Standards			
Question	Operations and Algebraic Thinking	3.OA.3	3.OA.4	3.OA.5	3.OA.9
1	1 2 3 4	X	X		
2	1 2 3 4	X	X		
3	1 2 3 4			X	
4	1 2 3 4	X	X	X	X

Domain Score	Operations and Algebraic Thinking	
Total Points		
Level	4	14-16 points
	3	10-13 points
	2	6-9 points
	1	4-5 points

Note: For more information about standards assessed in this module, see back of this score sheet.

Notes:

## Third Grade Module 3: Mid-Module Assessment Task Score Sheet (continued)

### Mid- Module Assessment Task (Topics A–C) Clusters and Standards Addressed

#### Represent and solve problems involving multiplication and division.

- 3.OA.3** Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem. (See Glossary, Table 2.)
- 3.OA.4** Determine the unknown whole number in a multiplication or division equation relating three whole numbers. *For example, determine the unknown number that makes the equation true in each of the equations  $8 \times ? = 48$ ,  $5 = \_ \div 3$ ,  $6 \times 6 = ?$ .*

#### Understand properties of multiplication and the relationship between multiplication and division.

- 3.OA.5** Apply properties of operations as strategies to multiply and divide. (Students need not use formal terms for these properties.) *Examples: If  $6 \times 4 = 24$  is known, then  $4 \times 6 = 24$  is also known. (Commutative property of multiplication.)  $3 \times 5 \times 2$  can be found by  $3 \times 5 = 15$ , then  $15 \times 2 = 30$ , or by  $5 \times 2 = 10$ , then  $3 \times 10 = 30$ . (Associative property of multiplication.) Knowing that  $8 \times 5 = 40$  and  $8 \times 2 = 16$ , one can find  $8 \times 7$  as  $8 \times (5 + 2) = (8 \times 5) + (8 \times 2) = 40 + 16 = 56$ . (Distributive property.)*

#### Solve problems involving the four operations, and identify and explain patterns in arithmetic.

- 3.OA.9** Identify arithmetic patterns (including patterns in the addition table or multiplication table), and explain them using properties of operations. *For example, observe that 4 times a number is always even, and explain why 4 times a number can be decomposed into two equal addends.*